

XVIII.—*Descriptions of some new Species of Heterocera from Central America.* By HERBERT DRUCE, F.L.S.

Fam. Sphingidæ.

UNZELA, Walk.

Unzela pronoe, sp. n.

Male.—Primaries brown, very similar to those of *U. japiæ*, but without the distinct brown band that crosses the wing in that species; a small dark brown spot on the costal margin, and a larger dark brown patch at the anal angle: secondaries semihyaline pale brown, broadly bordered from the apex to the anal angle with dark brown. Palpi, head, and thorax dark brown; upperside of the abdomen pale brown; underside of the head, thorax, and abdomen white; antennæ and legs brown.—*Female* almost identical with the male, but with the primaries slightly paler in colour.

Expanse, ♂ $2\frac{1}{4}$ inches, ♀ $2\frac{4}{10}$ inches.

Hab. British Honduras, Belize (*Mus. Druce*); Panama, Chiriqui (*Trötsch*).

This species is allied to *U. japiæ*.

CHÆROCAMPA, Duponchel.

Chærocampa damocrita, sp. n.

Male.—Primaries dark brown, thickly marked with black streaks near the base and along the costal margin; a pale brown line extends from the base, partly along the inner margin and then crosses the wing to the apex; on both sides of the pale line are several narrow dark brown lines; a golden-brown mark just above the anal angle; the outer margin finely speckled with minute black dots: secondaries black, with a rather wide golden-brown submarginal band extending from the apex to the anal angle. Underside of both wings bright reddish brown, thickly irrorated with black scales. Head, thorax, and abdomen dark brown; the sides of the head and thorax fawn-colour; the sides of the abdomen streaked with golden brown.—*Female* very similar to the male, but larger, and with the black spots on the primaries more distinct.

Expanse, ♂ 3 inches, ♀ $3\frac{1}{2}$ inches.

Hab. Mexico, Jalapa (*M. Trujillo*).

This species is allied to *C. libya*.

Cherocampa potentia, sp. n.

Male.—Primaries pale fawn-colour, darkest along the costal margin from the base almost to the apex; the costal margin dark yellow; a small black dot at the end of the cell; a rather wide dark brown line extends from the base to about the middle of the inner margin and then crosses to the apex; the outer margin of the wing thickly irrorated with black scales; the fringe dark brown: secondaries dark brownish black; the inner margin, apex, and outer margin fawn-colour. Underside of both wings pale yellowish fawn-colour, thickly irrorated with brownish-black scales; the basal half of the primaries black. Head, thorax, and the upperside of the abdomen pale brown; the sides of the head, thorax, and underside of the abdomen pale brownish white; legs pale brown; antennæ above white, dark brown on the underside.

Expanse 4 inches.

Hab. Mexico (*in Mus. Staudinger*).

This species resembles *Cherocampa clotho*, Drury, but the brown line crossing the primaries is in a very different position. I have only seen the specimen in Dr. Staudinger's collection, which has no exact locality attached to it.

PSEUDOSPHINX, Burm.

Pseudosphinx crocala, sp. n.

Primaries dark brown; a few scales at the base; a wide band crossing the wing, about the middle, from the costal to the inner margin; the apex and outer margin dark grey, irrorated with brown scales; a zigzag black line extends from the apex, curving round to the costal margin; the fringe alternately brown and grey: secondaries dark brown, slightly greyish at the base. Underside brown, palest at the base of both wings. Head, thorax, and abdomen greyish brown; a row of black spots on each side of the abdomen; the underside of the thorax and abdomen white; legs pale brown; antennæ above grey, underside dark brown.

Expanse $4\frac{1}{2}$ inches.

Hab. Honduras (*Wittkugel, in Mus. Staudinger*).

A very distinct species, quite unlike any other known to me.

Pseudosphinx morelia, sp. n.

Primaries greyish brown, irrorated with darker scales, and crossed from the costal to the inner margin with several zigzag narrow black lines; the centre portion of the wing,

from the costal margin almost to the inner margin, deep blackish brown; a rather wide curved black line at the apex, and a zigzag black line, extending from near the anal angle along the outer margin; fringe alternately black and grey: secondaries black, crossed from the costal to the inner margin by two greyish-white bands; the outer margin brownish grey, irrorated with black scales. Underside of both wings brown: secondaries with the pale bands very indistinct. Head and thorax black; front of the head and sides of the thorax greyish brown. Abdomen yellowish brown; the sides black, with a large yellow spot on each segment, below which is a row of small white spots. Underside grey-white. Antennæ pale greyish brown; legs black on the upperside, brown on the underside.

Expanse $5\frac{1}{2}$ inches.

Hab. Mexico, Orizaba (*Mus. Druce*).

Subfam. *EUCHROMINÆ*.

EUPYRA, Herr.-Schäff.

Eupyra dama, sp. n.

Primaries greenish-bronze colour, pinkish along the inner margin from the base almost to the anal angle; the cell, three oval spots below and a large spot beyond crossed by the black veins, all hyaline: secondaries hyaline, the inner and outer margins broadly bordered with greenish bronze; the veins and fringes of both wings black. Underside similar to the upperside, but much blacker in colour. Head, thorax, abdomen, antennæ, and legs black; the collar spotted with white.

Expanse $1\frac{3}{4}$ inch.

Hab. Mexico, Orizaba (*in Mus. Druce*).

A very distinct species, not closely allied to any known to me.

SCENA, Walk.

Scena propylea, sp. n.

Euchromia styx?, var.?, Walk. Cat. i. p. 264.

Hab. Mexico, Orizaba (*Mus. Druce*).

The type of *Zygana styx*, Fabr., with which Walker placed this species, is in the Banksian collection in the British Museum; it is very distinct from the specimen Walker described as a variety of it, to which I have now given a name: the specimen in the National Collection is from an unknown locality, but is almost identical with the Mexican

specimen in my collection. The following is Walker's description:—"Deep black. Head and thorax thickly clothed with bright orange hairs. Thorax with two purple spots in front; scutellum purple. Pectus clothed with black hairs. Fore wing narrow, very long, with a blue spot at the base, and a curved blue mark beyond the middle towards the fore border. Abdomen tapering towards the tip, with a row of blue spots and of white dots along each side; underside with two blue stripes. Hind tarsi white, with black tips. Length of the body 8 lines, of the wings 24 lines."

COSMOSOMA, Hübn.

Cosmosoma protus, sp. n.

Primaries and secondaries hyaline: primaries, the costal margin, base, and inner margin, a short band extending from the apex to the end of the cell all bright orange-yellow; the apex and outer margin black: secondaries broadly bordered with black. Head, thorax, and abdomen bright blue-black, with bright blue spots; tegulae bright orange; legs and antennae black; antennae with the tips white.

Expanse $1\frac{1}{4}$ inch.

Hab. Mexico, Jalapa (*M. Trujillo*).

Allied to *C. elegans*, Druce.

Cosmosoma? cucadma, sp. n.

Primaries and secondaries black, streaked with greenish blue at the base: primaries with a small streak near the base, and beyond a rather wide band partly crossing the wing nearest the apex, both hyaline: secondaries with a hyaline line down the middle. Head, thorax, and abdomen black; the abdomen with a greyish line on each side.

Expanse $1\frac{1}{4}$ inch.

Hab. Panama, Bugaba 800 to 1500 feet (*Champion*).

One specimen.

CHLOROPSINUS, Butl.

Chloropsinus potentia, sp. n.

Primaries and secondaries brownish black, with all the veins darker than the wings; thorax and tegulae bright orange. Head, antennae, abdomen, and legs brownish black.

Expanse $1\frac{1}{2}$ inch.

Hab. Mexico, Orizaba (*Mus. Druce*).

THRINACIA, Butl.

Thrinacia pontia, sp. n.

Primaries and secondaries semihyaline smoky black; the veins, head, thorax, antennæ, and legs black; the abdomen pale yellow.

Expanse 1 inch.

Hab. Mexico, Jalapa (*M. Trujillo*).

Allied to *T. intermedia*, Druce.

Thrinacia prometina, sp. n.

Primaries and secondaries semihyaline black; the veins and costal margin of the secondaries darkest. Head, antennæ, thorax, and legs black; the sides of the head and thorax pale yellow; the abdomen yellow, with a rather wide black band extending from the base to the anus.

Expanse 1 inch.

Hab. Mexico, Atoyac in Vera Cruz (*Schumann*).

EUCEREON, Hübn.

Eucereon promathides, sp. n.

Primaries and secondaries very pale whitish fawn-colour; primaries slightly speckled with minute brown scales. Antennæ, head, and thorax pale fawn-colour; abdomen red, with a row of small black dots extending from the base to the anus.

Expanse $1\frac{1}{4}$ inch.

Hab. Mexico, Presidio (*Forrer*).

Eucereon pometina, sp. n.

Primaries pale fawn-colour; a small spot on the costal margin and a rather indistinct narrow band which crosses the wing from the inner margin beyond the middle to the apex, both darker fawn-colour: secondaries dusky, darkest at the apex and along the outer margin. Head fawn-colour; thorax, antennæ, abdomen, and legs pale brown.

Expanse 1 inch.

Hab. Panama, Bugaba 800 to 1500 feet (*Champion*).

IDALUS, Walk.

Idalus alba, sp. n.

Primaries and secondaries pure white. Head, thorax,

abdomen, and legs white; antennæ white above, black on the underside.

Expanse $1\frac{1}{4}$ inch.

Hab. Mexico, Jalapa (*M. Trujillo*).

ZATREPHES.

Zatrephes (?) *pronapides*, sp. n.

Primaries pale fawn-colour, thickly spotted with cream-coloured dots at the base and on the costal margin near the apex: secondaries pale yellow, the apex and a short streak near the anal angle fawn-colour. Head and collar cream-colour; thorax fawn-colour; abdomen pale yellow; antennæ brown; legs yellow and brown.

Expanse $1\frac{3}{10}$ inch.

Hab. Panama, Bugaba (*Champion*).

One specimen.

HALISIDOTA, Hübn.

Halisidota jalapa, sp. n.

Primaries brownish fawn-colour, with a pinkish tinge at the apex and along the outer margin: secondaries semi-hyaline yellow. Head, collar, and abdomen yellow; thorax and tegulæ brown; antennæ black.

Expanse $1\frac{1}{2}$ inch.

Hab. Mexico, Jalapa (*M. Trujillo*).

PHÆGOPTERA, Herr.-Schäff.

Phægoptera daraba, sp. n.

Primaries hyaline, the costal, outer, and inner margins edged with yellowish fawn-colour; three very indistinct brown bands cross the wing from the costal to the inner margin; the fringe brownish yellow: secondaries hyaline yellowish fawn-colour on the outer margin near the apex; the inner margin and anal angle shaded with bright reddish pink. Antennæ brown; head and thorax yellowish fawn-colour; abdomen bright red; anus yellow; a small black spot on the tegulæ.

Expanse 2 inches.

Hab. Mexico, Orizaba (*Mus. Druce*), Jalapa (*M. Trujillo*).

Phægoptera rhoda, sp. n.

Primaries hyaline, costal, outer, and inner margins shaded with pale brown; a submarginal row of indistinct brown

spots extends from the apex to the anal angle; the fringe pale brown: secondaries hyaline, slightly shaded with pink at the anal angle. Antennæ, head, and thorax pale greyish brown; abdomen dull red; anus yellowish.

Expanse $2\frac{1}{4}$ inches.

Hab. Guatemala, in the city (*Rodriguez*).

OPIARUS, Walk.

Opharus dolens, sp. n.

Primaries and secondaries semihyaline dull blackish brown. Head, antennæ, thorax, abdomen, and legs black; abdomen with a row of small white spots on each side.

Expanse 2 inches.

Hab. Mexico, Orizaba (*Mus. Druce*).

ARACHNIS, Hübn.

Arachnis pompeia, sp. n.

Male.—Allied and similar to *A. aulæa*, but generally darker, the white marking on the primaries much smaller: secondaries nearly black, with the red marking very narrow. The head and thorax black; sides of the head yellow; abdomen black, red at the base, with some yellow spots on the last two or three segments.—*Female* very similar to the male, but considerably larger, and with the secondaries almost entirely black.

Expanse, ♂ $1\frac{3}{4}$ inch, ♀ $2\frac{1}{4}$ inches.

Hab. Mexico, near Durango city (*Becker*).

Subfam. PERICOPINÆ.

PERICOPIS, Hübn.

Pericopis Gaumeri, sp. n.

Male.—Primaries semihyaline white, the costal margin, a spot in the cell, one at the end of the cell, the apex, and part of the outer margin all dark brown; the inner margin broadly banded from the base almost to the anal angle with dark brown: secondaries pure white, the marginal line and the ends of the veins dark brown. Underside of both wings white, the primaries almost without the brown marking. Head and thorax dark brown; a large yellow spot on each side of the head, and a small red spot at the base of the wings. Abdomen bright red, with a black line down the middle which does not reach the anal segments; the anus

black; underside of the abdomen bright yellow. Antennæ and legs dark brown.—*Female*. Primaries dark brown: secondaries pinkish red, broadly bordered with brown from the apex to the anal angle. Head, thorax, and abdomen similar to the male.

Expanse, ♂ $2\frac{3}{4}$ inches, ♀ $3\frac{1}{4}$ inches.

Hab. Mexico, North Yucatan, Tenax (*Gaumer*).

Pericopsis pratides, sp. n.

Male.—Primaries dark brown, similar to *Pericopsis tibesis*, Druce, but with the marking smaller, and with a row of marginal white spots extending from the apex to the anal angle: secondaries hyaline white; the apex, outer and inner margins broadly bordered with dark brown; a marginal row of small white spots extends from the apex to the anal angle. Head, antennæ, thorax, and abdomen dark brown; the sides of the abdomen bright red; underside of the abdomen yellowish white, banded with dark brown.

Expanse $2\frac{1}{2}$ inches.

Hab. Mexico, Jalapa (*M. Trujillo*).

Pericopsis cydon, sp. n.

Male.—Primaries dark black-brown, with paler markings beyond the cell: secondaries hyaline, the inner margin clothed with blackish hairs; the apex and outer margin broadly bordered with black, edged on the inner side for about halfway from the anal angle by a wide orange-yellow band; two blue spots close to the anal angle, and a marginal row of white dots; veins all black. Head, antennæ, thorax, and base of the abdomen black; the sides of the abdomen red; underside yellow.—*Female*. Primaries dark brown: secondaries orange-yellow, the apex and outer margin black; a row of marginal white spots extends from the apex to the anal angle.

Expanse, ♂ 3 inches, ♀ $3\frac{1}{4}$ inches.

Hab. Mexico, Jalapa (*M. Trujillo*).

Fam. Lithosiidæ.

BRYCEA, Walk.

Brycea cynara, sp. n.

Primaries black, with a wide band extending from the base to beyond the cell and a submarginal band from the apex almost to the anal angle, both dark chrome-yellow: second-

aries black, chrome-yellow at the base; the fringe black. Underside the same as above. Head, antennæ, thorax, abdomen, and legs black; collar and tegulæ chrome-yellow.

Expanse $1\frac{4}{8}$ inch.

Hab. Mexico, near Durango city (*Becker*).

Allied to *B. disjuncta*, Walk.

RUSCINO, Walk.

Ruscino cypris, sp. n.

Primaries black, crossed from the costal to the inner margin with two orange-yellow bands—the first wide, nearest the base, the second submarginal, slightly curved: secondaries black, with the base orange-yellow; the fringe black. Head, antennæ, thorax, abdomen, and legs black; collar and tegulæ orange-yellow.

Expanse $1\frac{4}{10}$ inch.

Hab. Mexico, Lake Chapala, Jalisco (*Richardson*).

Ruscino praxis, sp. n.

Primaries black, crossed about the middle from the costal to the inner margin by a narrow pale yellow line, and a marginal line extends from the apex almost to the anal angle: secondaries black, with the basal part of the wing pale yellow; the fringes of both the wings black. Underside similar to the upperside.

Expanse $1\frac{1}{4}$ inch.

Hab. Mexico, near Durango city (*Becker*).

Ruscino cynossema, sp. n.

Primaries similar to those of *R. latifasciatus*, Butler, but with the black bands much straighter and the apex blacker: secondaries with the base black, the yellow colour forming a wide band across the wing. Head, thorax, and abdomen yellow; antennæ and legs black.

Expanse 1 inch.

Hab. Mexico, Rincon in Guerrero 2800 feet, Acaguizotla in Guerrero 3500 feet (*H. H. Smith*).

This species differs from all the others known to me in having the base of the secondaries black.

Ruscino prusias, sp. n.

Primaries deep chrome-yellow, the base, a wide straight band beyond the middle, and the outer margin black: secondaries chrome-yellow, broadly bordered with black from the

apex to the anal angle. Underside the same as above. Head, thorax, and abdomen chrome-yellow; antennæ, palpi, and legs black.

Expanse $1\frac{1}{4}$ inch.

Hab. Mexico, Jalisco (*Schumann*).

BÆNASA, Walk.

Banasa polyphron, sp. n.

Primaries pale brown, with a white streak on the inner margin extending from the base almost to the anal angle, and a small white streak near the apex: secondaries carmine, the outer margin from the apex to the anal angle broadly bordered with black. Head, thorax, abdomen, antennæ, and legs black; anal tuft carmine.

Expanse $\frac{3}{4}$ inch.

Hab. Mexico, Morelia (*F. D. Godman*).

LITHOSIA, Fabr.

Lithosia (?) *cytheræa*, sp. n.

Primaries pale greyish brown; the costal and inner margins edged with yellow; secondaries yellowish grey. Head, collar, and tegulæ yellow; thorax and abdomen greyish brown; antennæ black.

Expanse $1\frac{1}{4}$ inch.

Hab. Mexico, near Durango city (*Becker*).

EUDULE, Hübn.

Eudule daxata, sp. n.

Primaries and secondaries orange-yellow. Primaries: the costal margin edged with black at the base; the apex and part of the outer margin edged with black; a curved black line nearly crosses the wing beyond the middle, extending from the costal almost to the inner margin, from which a rather wide line extends to the outer margin; two black streaks near the base of the wing. Underside the same as the upperside; head, antennæ, and legs black; abdomen and thorax orange-yellow.

Expanse $1\frac{1}{4}$ inch.

Hab. Mexico, Omilteme in Guerrero 8000 feet (*H. H. Smith*).

Allied to *E. tripunctata*, Druce.

Eudule rhotana, sp. n.

Primaries and secondaries semihyaline yellowish white; the costal, outer, and inner margins of both wings pale yellow; the veins black. Head, thorax, and abdomen yellow; palpi and antennæ black; legs brown.

Expanse $1\frac{1}{2}$ inch.

Hab. Mexico, Xucumanatlan in Guerrero 7000 feet (*H. H. Smith*).

Allied to *E. lineata*, Druce.

Fam. Saturniidæ.

ATTACUS, Linn.

Attacus (?) *cydippe*, sp. n.

Male.—Primaries and secondaries dark brown, thickly irrorated with reddish-brown scales. Primaries crossed from the apex to the inner margin by a dark brown line, on the inner side of which is an indistinct waved brown line; the apex and outer margin irrorated with grey scales, and a submarginal waved greyish line extends from the apex to the anal angle; an elongated hyaline spot at the end of the cell; the fringe dark reddish brown: secondaries crossed above the middle by a very indistinct dark brown line; an elongated hyaline spot at the end of the cell; two zigzag submarginal dark brown lines extend from the apex to the anal angle; the outer margin broadly irrorated with grey scales; the fringe dark reddish brown. Underside considerably more grey than above, and with the submarginal line much more distinct. Head, thorax, and tegulæ dark brown; abdomen pale brown; the base of the thorax and abdomen thickly clothed with reddish-brown hairs; antennæ brown; legs reddish brown.

Expanse $3\frac{1}{2}$ inches.

Hab. Mexico, Orizaba (*Mus. Druce*).

COPAXA, Walk.

Copaxa denda, sp. n.

Male.—Primaries and secondaries citron-yellow. Primaries: the costal margin greyish to beyond the middle; a reddish-brown waved line crosses the wing near the base from the costal to the inner margin; a small hyaline spot at the end of the cell edged with dark grey; a blackish-brown line extends from the apex to about the middle of the inner margin; on the inner side of the line the wing is shaded with reddish yellow; the fringe yellow. Secondaries crossed

above the middle by a blackish-brown line, and below the hyaline spot at the end of the cell by a waved reddish-brown line; the outer margin shaded with grey; the fringe dark yellow. Underside pale brown; both wings crossed by two indistinct brown bands. Head, thorax, and abdomen yellow, front of the thorax greyish brown; antennæ pale brown; legs pinkish brown.—*Female* similar to the male, but considerably darker in colour, and with all the markings much blacker.

Expanse, ♂ $4\frac{3}{10}$ inches, ♀ $4\frac{1}{2}$ inches.

Hab. Mexico, Orizaba (*Mus. Druce*).

Allied to *C. expandens*, Walker, but very distinct.

AUTOMERIS, Hübn.

Automeris randa, sp. n.

Male.—Primaries light greyish fawn-colour, crossed from the costal to the inner margin by two yellow lines, the first waved nearest the base, the second beyond the middle slightly curved near the apex; a dark spot at the end of the cell, with four little black dots round the outer margin paler than the other part of the wing: secondaries pinkish yellow; a large fawn-coloured ocellus broadly bordered with deep black, with a central white spot slightly below the middle and nearest the apex; a submarginal broken black line, edged with yellow, extends from near the apex almost to the anal angle; below the black line is a wide, reddish-fawn-coloured band; the outer margin broadly edged with fawn-colour; the fringe pale fawn-colour. Underside: both wings yellowish fawn-colour; primaries with a large round black spot at the end of the cell, with a white dot in the centre; secondaries with a white spot at the end of cell. Head and thorax dark reddish brown; abdomen pale yellow; antennæ yellowish brown.—*Female* very similar to the male, but larger, rather darker in colour, and with all the markings more distinct.

Expanse, ♂ 4 inches, ♀ $4\frac{3}{4}$ inches.

Hab. Mexico, near Durango city (*Becker*).

Automeris Daudiana, sp. n.

Male.—Primaries pale greyish brown, dark brown at the base, four small spots at the end of the cell, and a narrow curved line extending from the costal margin to the inner margin dark brown; the veins yellow; the fringe greyish brown: secondaries bright yellow; the costal and outer margin broadly bordered with greyish brown; the inner margins thickly clothed from the base almost to the anal angle

with reddish hairs; a large black ocellus with a bluish-white centre at the end of the cell, and two rather wide, black, submarginal lines extend from near the apex to the inner margin; the fringe pinkish brown. Underside pinkish brown; the costal margin and the veins yellow; primaries with a large black spot at the end of the cell. Antennæ, front of head, and palpi reddish brown; head and thorax dark brown; abdomen bright red.

Expanse $2\frac{1}{2}$ inches.

Hab. Guatemala, in the city (*Rodriguez*).

Fam. Lasiocampidæ.

EUTRICHIA, Hübn.

Eutricha Conradti, sp. n.

Male.—Primaries reddish brown, crossed beyond the middle from the costal to the inner margin by several indistinct bands of paler brown; three small black spots near the anal angle; the fringe brown: secondaries uniformly dark reddish brown; the fringe slightly paler in colour. Head, antennæ, thorax, and abdomen reddish brown; legs dark brown.

Expanse $3\frac{1}{4}$ inches.

Hab. Guatemala, Coban in Vera Paz (*Conradt*).

Eutricha crossata, sp. n.

Male.—Primaries and secondaries reddish fawn-colour; primaries crossed from the costal to the inner margin by a submarginal row of small dark brown spots. Head, thorax, antennæ, abdomen, and legs reddish brown; the anal tuft yellowish.

Expanse $2\frac{3}{4}$ inches.

Hab. Mexico, Bolaños Jalisco (*Richardson*).

Eutricha denda, sp. n.

Male.—Primaries and secondaries very dark brown: primaries with a small grey spot at the end of the cell and crossed from the costal to the inner margin by five narrow, zigzag, pale greyish-brown lines, the first two close to the base, the third and fourth much beyond the middle, the fifth submarginal with black points near the anal angle; a reddish-brown band extends from near the apex to the inner margin above the anal angle; the fringe dark brown: secondaries crossed about the middle with two faint reddish-brown lines; the fringe greyish. Underside dark brown; both wings

thickly irrorated with grey scales and crossed from the costal to the inner margins by two waved greyish lines; the inner margin of the secondaries clothed with reddish-brown hairs. Head, antennæ, thorax, abdomen, and legs dark brown.

Expanse $3\frac{1}{4}$ inches.

Hab. Mexico, Jalapa (*M. Trujillo*).

TOLYPE, Hübner.

Tolyte levana, sp. n.

Primaries and secondaries greyish white: primaries crossed from the costal to the inner margin by a considerable number of waved black lines; a black spot at the end of the cell; a marginal row of black spots extends from the apex to the anal angle; the fringe alternately black and grey: secondaries dusky at the base and beyond the middle. Head, thorax, and abdomen greyish black; abdomen banded with grey.

Expanse $1\frac{1}{4}$ inch.

Hab. Mexico, Jalapa (*M. Trujillo*); Guatemala, in the city (*Rodriguez*).

Tolyte deboma, sp. n.

Primaries pale grey, crossed from the costal to the inner margin by five white lines, the first two near the base curved inwards, the third and fourth beyond the cell waved, the fifth waved submarginal, between the fourth and fifth line the wing is clouded with black at the apex and along the outer side of the fourth line; the veins and fringe white: secondaries white, clouded with black at the anal angle; fringe white. Head, front of thorax, and tegulæ white; the thorax black; abdomen white; anal tuft yellowish; antennæ and legs white.

Expanse $2\frac{3}{10}$ inches.

Hab. Mexico, near Durango city (*Becker*).

HYDRIAS, Herr.-Schäff.

Hydrias praxithea, sp. n.

Primaries dark blackish grey, paler at the apex and on the costal margin; a pale grey line crosses the wing near the base, and a submarginal waved white line extends from the apex to the anal angle: secondaries greyish white, broadly bordered with dark grey along the costal margin to the apex; the inner margin and basal half of the wing dark greyish brown; a submarginal dark grey waved line extends from the

apex to the anal angle; the fringe of both wings dark grey. Head, thorax, and legs dark grey; a rather wide black line down the middle of the thorax, extending to the base; abdomen black, thickly clothed with dark reddish-brown and dark grey hairs. Underside of the thorax and abdomen yellow.

Expanse 2 inches.

Hab. Mexico, Orizaba (*Mus. Druce*).

Hydrias deceana.

Primaries and secondaries brown: primaries crossed from the costal to the inner margin by four fine waved black lines, the first near the base, the others beyond the middle; a large blackish spot at the end of the cell; the fringes of both wings dark brown. The head, antennæ, thorax, abdomen, and legs dark brown.

Expanse $1\frac{1}{4}$ inch.

Hab. Mexico, Orizaba (*Mus. Druce*), Jalapa (*M. Trujillo*).

Some specimens are paler in colour than others.

XIX.—*On the Elateridæ of Japan.* By G. LEWIS, F.L.S.

[Continued from p. 48.]

Melanoxanthus similis, sp. n.

Niger, nitidus, fulvo-pubescent; thorace nigro; elytris macula obliqua humerali fasciaque postica flavo-testaceis; antennis (basi excepta) infuscatis; pedibus flavis.

L. 4 mill.

Elongate, somewhat parallel, with tawny pubescence; the head densely and a little coarsely punctured, black; the thorax more coarsely punctured than that of *M. pictipennis* and the punctures are more densely set on the disk, wholly black, carina well marked; the elytra black, with a basal longitudinal vitta, which covers the humeral angle and on the fifth interstice continues down to the middle of the dorsum, and before the middle occupies part of the fourth and third interstices, behind the middle there is a broad lobe-shaped band which leaves the sutural interstice and outer edge black, the striæ are more coarsely punctured than in *M. pictipennis*, and the interstices smoother, narrower, and more convex; legs and antennæ coloured as in the last species.